Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/09/2018 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125649	0	1.59	125534	1.58
Blue	F	SSC	125000	123713	-2	2.85	124130	2.63
Blue	E	FITC	23615	22803	-4	2.66	1013	10.83
Blue	D	PE	26739	26433	-2	2.15	946	10.33
Blue	B	PerCP-Cy5-5	48339	47175	-3	3.57	1356	17.36
Blue	A	PE-Cy7	45021	45303	0	5.24	697	37.78
Red	C	APC	53064	52125	-2	2.77	3002	9.68
Red	A	APC-Cy7	57175	55898	-3	2.70	1160	11.63
Violet	B	V450	14728	13884	-6	5.39	666	9.73
Violet	A	V500	58621	56859	-4	5.22	2512	7.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19972	2.64	613	-1	N/A	N/A	Pass
Blue	F	SSC	61155	1.66	559	13	N/A	N/A	Pass
Blue	E	FITC	115	39.65	550	2	0.0185	126	Pass
Blue	D	PE	209	30.41	541	5	0.1464	253	Pass
Blue	B	PerCP-Cy5-5	211	47.22	640	5	0.0097	132	Pass
Blue	A	PE-Cy7	74	126.69	700	7	0.0104	12	Pass
Red	C	APC	339	29.04	602	5	0.0192	74	Pass
Red	A	APC-Cy7	128	41.78	585	5	0.0050	1560	Pass
Violet	B	V450	80	44.31	464	-6	0.0487	2336	Pass
Violet	A	V500	184	23.96	492	-5	0.0137	543	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.54	-31.10	0.93
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	16.95	14.40 - 21.60	N/A	N/A	30.91	31.39	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10143

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments